

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1. (currently amended) An immune deficient SCID mouse model having a human prostate cancer xenograft of locally advanced or metastatic prostate cancer; where the mouse model recapitulates the development of primary tumors, micrometastasis, or formation of osteoblastic lesions characteristic of late stage prostate cancer.
- 2.-20. (cancelled)
21. (new) The immune deficient SCID mouse model of claim 1, wherein the xenograft is implanted subcutaneously.
22. (new) The immune deficient SCID mouse model of claim 1, wherein the xenograft is implanted intraprostatically
23. (new) The immune deficient SCID mouse model of claim 1, wherein the xenograft is implanted within a bone of the mouse.
24. (new) The immune deficient SCID mouse model of claim 1, wherein the xenograft is from an explant selected from prostate, lymph node, lung, or bone tissue.
25. (new) The immune deficient SCID mouse model of claim 1, wherein the xenograft is a prostate cancer cell suspension.